

SELF ADJUSTING STEREO CAMERA SYSTEM
ABSTRACT OF THE DISCLOSURE

A stereo camera system including: a stereo
imaging system such as two or more cameras or a camera
5 and a set of angled mirrors, for outputting at least one
stereo image; a recognition system for locating an object
of interest in the field of view of the stereo imaging
system and at least one of a distance of the object of
interest from the stereo imaging system and the size of
10 the object of interest; and an adjustor for automatically
changing at least one system parameter which affects the
spatial resolution of the object of interest based on at
least one of the located distance of the object of
interest from the stereo imaging system and the size of
15 the object of interest.